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Our File No. 9281-4269  
Client Reference No. M US00183

jc997 U.S. PTO  
10/058815  
01/28/02

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Takashi Shirakawa et al. )  
Serial No. To Be Assigned )  
Filing Date: Herewith )  
For: Power-Saving Thermal Head )

5/IDS  
E. Usillo  
10-16-02

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Pursuant to the obligation under 37 C.F.R. 1.56 and in conformance with 37 C.F.R. 1.97-1.99, Applicants hereby submit references A1 – A5 listed on the attached form PTO-1449 for consideration by the Examiner. Copies of the references are enclosed herewith.

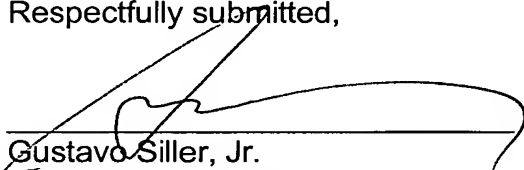
Japanese Unexamined Patent Publication Sho 52-100245 discloses a construction wherein polyimide resin is used for a thermal insulation layer. Japanese Unexamined Patent Publication Hei 8-267806 discloses a construction wherein a heat accumulation layer has a laminate structure formed by laminating resin materials and inorganic materials alternately.

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. Section 1.56(b). Further, Applicants reserve the right to contest these references as prior art against the present application, and Applicants do not believe that the disclosure of these references, even if finally determined to be prior art, anticipates Applicants' invention or that these references make Applicants' invention obvious.

No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicants respectfully request that the Examiner review the entire disclosure of these documents and make them of record.


Respectfully submitted,



Gustavo Siller, Jr.  
Registration No. 32,305  
Attorney for Applicants

BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, ILLINOIS 60610  
(312) 321-4200

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (use several sheets if necessary)	SERIAL NO.	CASE NO.
	To be Assigned	9281-4269
	FILING DATE	GROUP ART UNIT
Herewith		
APPLICANTS: Takashi Shirakawa et al.		

REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
KF	A1	4,963,893	10/1990	Homma et al.	347/200	Jd997 U.S. PTO 10/058815 
KF	A2	5,119,112	06/1992	Homma et al.	347/202	
KF	A3	5,177,498	01/1993	Homma et al.	347/202	

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
KF	A4	Japanese Unexamined Patent Publication Sho 52-100245	08/1977	Japan	S	X (Partial)	
KF	A5	Japanese Unexamined Patent Publication Hei 8-267806	10/1996	Japan		X (Partial)	

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	

EXAMINER	K 711 -	DATE CONSIDERED	05/83
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.